

Kansas Department of Agriculture
Karnal Bunt Seed Test B Sample Collection Procedures

GENERAL GUIDELINES

The collector is encouraged to take a representative sample through random sub-sampling. It is imperative that sample integrity is achieved and that contamination between samples, lots, or sites does not occur.

Submission of composite samples is strongly encouraged. Up to 10 sub-samples may be included in a single composite sample. Record the components of each composite sample on the sample submission form. A representative sub-sample of each composite sample should be kept by the submitter until the sample results are received.

Each sample should be placed in a paper bag and labeled with a sample identification number assigned by the collector, the county of origin, and collector's name. The sample should then be shaken vigorously to thoroughly mix the seed. Fold the top of the bag over a few times and staple the bag closed in a manner to avoid leakage. The samples should be shipped in a sturdy box to protect the integrity of the bags.

SAMPLE COLLECTION

Bulk Seed. Up to 10 sub-samples may be included in a single sample. To avoid cross-contamination, each sub-sample should be taken with a new disposable plastic cup. The use of a new disposable latex glove for each sub-sample is also suggested to minimize cross-contamination. Cups and gloves should be disposed of properly to minimize potential contamination.

For each sub-sample, collect about a 2 pound of seed. A composite sample should weigh about 5 pounds. A sub-sample should represent approximately 5,000 bushels.

Each sample should be placed in a paper bag and labeled with a sample identification number assigned by the collector, the county of origin, and collector's name. The sample should then be shaken vigorously to thoroughly mix the seed. Fold the top of the bag over a few times and staple the bag closed in a manner to avoid leakage. The samples should be shipped in a sturdy box to protect the integrity of the bags.

Packaged Seed. Packaged seed may be sampled by using a trier or collected from the bag by hand. Up to 10 sub-samples may be included in a single composite sample. If the sample is collected by hand, use latex gloves for each sub-sample to avoid cross-contamination. Collect several handfuls of seed from different parts of the bag. Triers should be washed in a bleach solution between samples.

If sampling six bags or less, collect a sample from each bag. If more than six bags are to be sampled, collect sub-samples from five bags plus at least 10 percent of the total number of bags in the lot. For large lots, no more than 30 bags need to be sampled.

A composite sample should weigh about 5 pounds.

Each sample should be placed in a paper bag and labeled with a sample identification number assigned by the collector, the county of origin, and collector's name. The sample should then be shaken vigorously. Fold the top of the bag over a few times and staple the bag closed so leakage does not occur. The samples should be shipped in a sturdy box to protect the integrity of the bags.